

SHSD Job Risk Assessment

Job Number: SHSD-JRA-12 Job Title: Respirator Fit Testing	Point Value → Parameter ↓	1	2	3	4	5
Job Description: The operation of a Portacount Fit Test apparatus and the cleaning of respirators after the test is completed.	Frequency (B)	≤once/ year	≤once/ month	≤once/ week	≤once/ shift	>once /shift
Name(s) of Risk Team Members: T. Blydenburgh; N. Bernholc; R. Selvey (04/04/06)	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional): IH SOP Qualification JTA-72 Applicable Standard Operating Procedure: IH72300 ; IH72350 ; IH72450	Likelihood (D)	Very Unlikely	Unlikely	Possible	Probable	Multiple
Approved by: R. Selvey Date: 04/05/06 Rev. #:0						
Stressors (if applicable, please list all)		Reason for Revision (if applicable):			Comments:	

		Without Controls						Before Additional Controls						After Additional Controls							
Job Step / Task	Hazard(s)	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Preparing Fit Test Equipment & respirators	Lighting and burning the candle	1	4	2	4	32	Sand in can is used as a fire stop/extinguisher	N	1	4	2	2	16	The candle could be placed on a permanent table instead of the current boxes used as the location	N	1	4	2	2	16	0
	falling objects from storage shelves, ergo strain, pinch	1	2	2	2	8	Equipment is very light (<5 lbs) and placed on proper height shelves	N	1	2	2	1	4								
Setting up and taking fit test measurements	ergo strains	1	2	2	3	12	light weight of equipment	N	1	2	2	2	8								

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	Electrical hazards from meter in fit tester	N	1	3	3	9	Unit is low voltage DC from transformer	N	1	3	1	1	3								
Person being fit tested	Bump to head from bending tests	1	1	3	3	9	Equipment is out of path of test	N	1	1	3	3	9	We could add a mark on the floor for standing to avoid head bumps	N	1	1	2	2	4	50
	Overexertion or adverse reaction to wearing mask	1	1	3	2	6	OMC medical surveillance is a requirement for fit test	N	1	1	3	1	3								
	Illness for communicable diseases transferred from used masks	1	1	3	3	9	Cleaning with disinfection between each user	N	1	1	3	1	3								
Mixing, diluting respirator cleaning solutions	Eye and skin contact to detergents and disinfectants	1	4	2	3	24	Gloves, safety glasses	N	1	4	2	2	16								
	Burn to skin from water for cleaning	1	4	2	4	32	Liquid disinfectant is used instead of sterilizing water temperatures	N	1	4	1	2	8								
Dis-assembling/ Assembling respirators for cleaning	Injury to hands in gripping small parts	1	4	2	2	16	Training on parts assembly, tools for tight parts	N	1	4	2	2	16	Consider a custom tool for the North 7600 speaking diaphragm holder	N	1	4	2	2	16	0
Improper fit test	Worker & BNL receives false information on the fit of the mask	1	4	4	2	32	Portacount calculates the fit factor, test are pre-programmed into software, daily check, weekly test, and annual calibration	N	1	4	1	1	4								
Recordkeeping	See SHSD Office Work	-	-	-	-	-	-	-	-	-	-	-	-								

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Further Description of Controls Added to Reduce Risk:

1. Investigate obtaining a small table, such as a typing table, to replace the boxes used to hold the candle.
2. Place a box or mark on the floor for standing to avoid head bumps. Status: Done 04/04/06
3. Consider purchasing or making a custom tool for the North 7600 speaking diaphragm holder- Consider obtaining more advanced fiber optic equipment with longer reach and more range of view as funds become available.
4. Check into purchase of Sanitation Test Kits for testing the mask after cleaning. Status: Web searched indicated no products not designed for heat sterilization processes.
5. Check into small parts "laundry bags" or a basket to make cleaning easier. Status: Closed on 4/04/06 with web purchase of lingerie laundry bags
6. Purchase Nitrile disposable gloves for the respirator cleaner to wear. Status: closed 04/04/06 with stock order 111939.

Risk:	0 to 20	21 - 40	41 - 60	61 - 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable